

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 606/04104	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/IL2004/000610	International filing date (day/month/year) 07 July 2004 (07.07.2004)	Priority date (day/month/year) 07 July 2003 (07.07.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant WAY SAFER TECHNOLOGIES LTD.			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 7 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Box No. I  | Basis of the report   |
| <input type="checkbox"/> Box No. II            | Priority  |
| <input type="checkbox"/> Box No. III           | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input checked="" type="checkbox"/> Box No. IV | Lack of unity of invention  |
| <input checked="" type="checkbox"/> Box No. V  | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Box No. VI            | Certain documents cited   |
| <input type="checkbox"/> Box No. VII           | Certain defects in the international application  |
| <input type="checkbox"/> Box No. VIII          | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.3).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 30, Switzerland  Facsimile No. +41 22 740 14 35	Date of issuance of this report 09 January 2006 (09.01.2006)
	Authorized officer  Simin Baharlou  Telephone No. +41 22 338 71 30

# PATENT COOPERATION TREATY

REC'D 21 NOV 2005

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From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
PAUL FENSTER  
FENSTER & COMPANY, INTELLECTUAL  
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**PCT**

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) <b>17 NOV 2005</b>	
<b>FOR FURTHER ACTION</b> See paragraph 2 below	
Applicant's or agent's file reference <b>606/04104</b>	
International application No. <b>PCT/IL04/00610</b>	International filing date (day/month/year) <b>07 July 2004 (07.07.2004)</b>
Priority date (day/month/year) <b>07 July 2003 (07.07.2003)</b>	
International Patent Classification (IPC) or both national classification and IPC <b>IPC(7): G06G 19/00; G06G 7/70 and US Cl.: 701/116, 117, 119, 120, 121; 340/425.5, 435, 436, 438-439, 901, 903, 906, 907</b>	
Applicant <b>TAMIR, ASAF</b>	

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☒ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

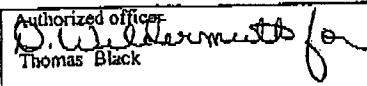
### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Date of completion of this opinion <b>30 September 2005 (30.09.2005)</b>	Authorized officer  Thomas Black Telephone No. (703) 308-1113
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IL04/00610

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid** sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
- ☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
- ☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
- ☐ filed together with the international application in electronic form.
- ☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

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INTERNATIONAL SEARCHING AUTHORITY

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Box No. IV Lack of unity of invention

1. ☒ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:
- ☐ paid additional fees
  - ☐ paid additional fees under protest and, where applicable, the protest fee
  - ☐ paid additional fees under protest but the applicable protest fee was not paid
  - ☒ not paid additional fees
2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
- ☐ complied with
  - ☒ not complied with for the following reasons:  
See the lack of unity section of the International Search Report (Form PCT/ISA/210)

4. Consequently, this opinion has been established in respect of the following parts of the international application:

- ☒ all parts.
- ☐ the parts relating to claims Nos. \_\_\_\_\_

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International application No.  
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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>NONE</u>	YES
	Claims <u>1-130</u>	NO
Inventive step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-130</u>	NO
Industrial applicability (IA)	Claims <u>1-130</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and explanations:

Please See Continuation Sheet

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
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Supplemental Box  
In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 1-130 lack novelty under PCT Article 33(2) as being anticipated by Takahashi (U.S. Patent No. 5,901,806).

Takahashi discloses a method of evaluating the driving behavior in a vehicle, comprising determining values of a plurality of parameters of the operation of a first vehicle in a first road segment; determining values of the plurality of parameters for one or more second vehicles in a second road segment having similar properties to those of the first road segment; comparing the determined values of the first vehicle and the one of the second vehicles (cars); and providing an evaluation of the driving behavior of the first vehicle, responsive to the comparison (See col. 1, lines 43-60; col. 2, lines 8-24, 49-65; col. 7, lines 56-63).

Takahashi discloses the plurality of parameters includes at least one parameter which relates to braking or decelerating of the first vehicle before a road point requiring deceleration (See col. 4, lines 25-53); it discloses one parameter related to behavior at a road curve (See col. 8, lines 31-37). Moreover, Takahashi discloses a method of evaluating the driving behavior in a vehicle comprising receiving sensor on the operation of a first vehicle in a first road segment; determining structural information on the first road segment (via camera); and analyzing a behavior of the first vehicle responsive to the sensor readings and the structural information, by comparing to behavior of one or more vehicles under similar circumstances (See col. 4, lines 25-65); the sensor readings comprising receiving from an accelerometer, a location sensor, it also discloses determining structural information comprises determining a slope of the first road segment (See col. 3). Takahashi discloses the driving behavior of a driver when the driver is new to the road, the road tends to drive carefully, so that the driver's operation on the accelerator becomes abrupt, and the standard deviation increases. Without information about forthcoming circumstances, the driver performs a corrective action to adjust the accelerator opening repeatedly at short intervals by checking the circumstances. As a result the driver operates the accelerator frequently. When, on the other hand, the road is familiar to the driver, and the driver has a good knowledge of the circumstances ahead, the driver can drive smoothly without useless accelerator operations, and hence the standard deviation decreases. When the standard deviation is large, it is judged that the driver is driving carefully (See col. 10, lines 48-65). Takahashi discloses a traffic directives or warnings applicable to a vehicle (See col. 7, lines 56-63).

Claims 1-130 lack novelty under PCT Article 33(2) as being anticipated by Nakashima (U.S. Patent No. 5,544,053).

Nakashima discloses a method of evaluating the driving behavior in a vehicle, comprising determining values of a plurality of parameters of the operation of a first vehicle in a first road segment; determining values of the plurality of parameters for one or more second vehicles in a second road segment having similar properties to those of the first road segment; comparing the determined values of the first vehicle and the one of the second vehicles (cars); and providing an evaluation of the driving behavior of the first vehicle, responsive to the comparison (See col. 14, lines 5-65).

Takahashi discloses the plurality of parameters includes at least one parameter which relates to braking or decelerating of the first vehicle before a road point requiring deceleration (See speed range setting means in Fig.1); it discloses one parameter related to behavior at a road curve (See col. 17, lines 30-38). Moreover, Takahashi discloses a method of evaluating the driving behavior in a vehicle comprising receiving sensor on the operation of a first vehicle in a first road segment; determining structural information on the first road segment (via camera); and analyzing a behavior of the first vehicle responsive to the sensor readings and the structural information, by comparing to behavior of one or more vehicles under similar circumstances (See Fig. 1 #10, 11, 12); the sensor readings comprising receiving from an accelerometer, a location sensor, it also discloses determining structural information comprises determining a slope of the first road segment (See col. 17, lines 33-40).

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Nakashima disclose that if the driver's manner of driving or the condition of a road do not desire an acceleration but rather desires a deceleration, for example, upon running down on a downhill slope, the downhill weak engine brake mode (i.e., the control mode 2) or the downhill strong engine brake mode (i.e., the control mode 3) is selected to forcedly perform a downshift. This makes it possible to allow the vehicle to run downhill applying engine brakes, thereby minimizing braking operations to be needed by the driver and hence facilitating the driving on the downhill slope (See col. 34, lines 3-67). It discloses the driving behavior of of the driver (See col. 33, lines 59-67).